

MODULE MAX

79 Kempston Rd. Sidwell. Port Elizabeth . P.O Box 263 . Port Elizabeth . 6000

210W - 250W Mono Solar Modules

| 210 - 250W Mono Solar Modules | | | | | | | | | |
|---|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Description/Model | 210(60)M6 50/45 | 215(60)M6 50/45 | 220(60)M6 50/45 | 225(60)M6 50/45 | 230(60)M6 50/45 | 235(60)M6 50/45 | 240(60)M6 50/45 | 245(60)M6 50/45 | 250(60)M6 50/45 |
| Rated max. power (Pmax): | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 |
| Open circuit voltage (Voc): | 36.20 | 36.40 | 36.50 | 36.70 | 36.80 | 36.80 | 37.00 | 37.20 | 37.30 |
| Short circuit current (Isc): | 8.14 | 8.20 | 8.28 | 8.36 | 8.45 | 8.54 | 8.62 | 8.69 | 8.78 |
| Max. power voltage (Vmp): | 28.80 | 29.0 | 29.10 | 29.30 | 29.50 | 29.60 | 29.80 | 30.00 | 30.10 |
| Max. power current (Imp): | 7.30 | 7.41 | 7.57 | 7.68 | 7.80 | 7.94 | 8.06 | 8.17 | 8.31 |
| Cell efficiency (%): | 14.70% | 15.05% | 15.40% | 15.75% | 16.10% | 16.45% | 16.805 | 17.15% | 17.50% |
| Max system voltage (VDC): | 1000V DC | | | | | | | | |
| Temperature coefficient of Vm: | -0.241%/K | | | | | | | | |
| Temperature coefficient of Im: | +0.033%/K | | | | | | | | |
| Temperature coefficient of power: | -0.37%/K | | | | | | | | |
| Max. series fuse rating: | 15 A | | | | | | | | |
| Solar cell and configuration: | 60pcs (6 x 10) in series, 156 x 156mm monocrystalline | | | | | | | | |
| Junction box: | IP65, 1000 VDC, TUV certified; 6 pcs Schottky By-pass diodes | | | | | | | | |
| Cable type & connector: | 4mm ² , TUV certificated, 0.9m length; MC4 | | | | | | | | |
| Encapsulation: | low iron tempered glass, 3.2mm thickness, light transmission above 91%; TPT and fast cure EVA | | | | | | | | |
| Frame: | clear anodized aluminum alloy, 50/45mm thickness, silver | | | | | | | | |
| Dimension (L x W x H): | 1640 x 990 x 50mm (XXX(60)M6-50) 1640 x 990 x 45mm (XXX(60)M6-45) | | | | | | | | |
| Weight: | 20±1kg (XXX(60)M6-50) 19±1kg (XXX(60)M6-45) | | | | | | | | |
| Heavy mechanical load salient features: | 5400Pa (according to IEC61215) | | | | | | | | |
| Hail impact test: | ice ball diameter 25mm, 23m/s | | | | | | | | |
| Operating temperature: | -40°C ~ +85°C | | | | | | | | |
| Standard test conditions: | STC: AM = 1.5, 1000W/m ² , cells temperature 25°C | | | | | | | | |
| Power tolerance: | ±3% (can be provided 0~+3%) | | | | | | | | |

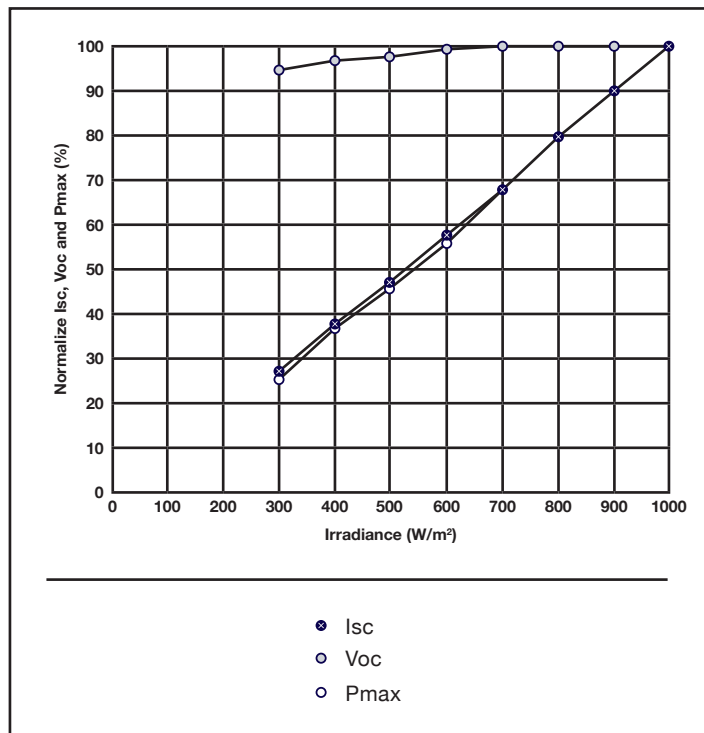


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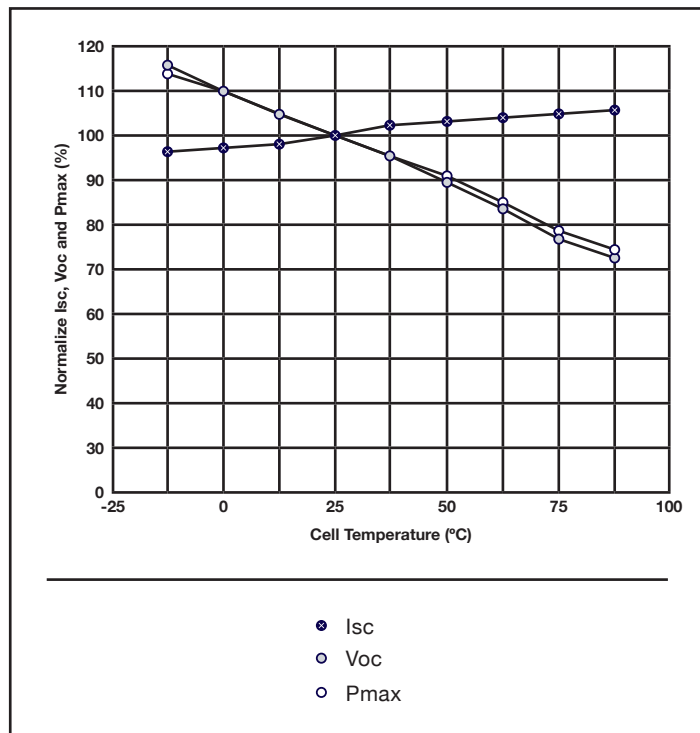
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Temperature dependence of Isc, Voc and Pmax



Irradiance dependence of Isc, Voc and Pmax (25°C)



Current-Voltage & Power-Voltage Curve (220W, 25°C)

